EOC-3610S EXT

Wireless Outdoor Multi-Client Bridge/AP

2.4 GHz	802.11 b/g	54 Mbps

EOC-3610S EXT Wireless High Power and High Gain Client Bridge/Access Point/ WDS (wireless distribution system) operates in the 2.4 GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) and the newer, faster 802.11g (2.4GHz, 54Mbps) wireless standards. It's the best way to add wireless capability to your existing wired network, or to add bandwidth to your wireless installation.

EOC-3610S EXT has high transmitted output power and high receivable sensitivity. High output power and high sensitivity can extend range and coverage to reduce the roaming between APs to get more stability wireless connection.
EOC-3610S EXT can collocate with any high gain antenna want for users' environment. To protect your wireless connectivity, NOC-3610 EXT can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA2/WPA/802.1x for powerful security authentication.

The MAC addresses filter lets you select exactly which stations should have access to your network.

Features	Benefits
High Speed Data Rate Up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming
EIRP up to 33dB (with 5dBi Antenna Gain)	Spreads the operation distance and reduce the roaming between APs to get more stability wireless connection
External Antenna for 2.4GHz	Collocate with any antenna for user's environment
IEEE 802.11b/g Compliant	Fully Interoperable with IEEE 802.11b/IEEE802.11g compliant devices
Point-to-point, Point-to-multipoint Wireless Connectivity	Let users transfer data between two buildings or multiple buildings
WPA2/WPA/ IEEE 802.1x support	Powerful data security
Hide SSID (AP Mode)	Avoids unallowable users sharing bandwidth, increases efficiency of the network
DHCP Client/ Server	Simplifies network administration
MAC address filtering (AP Mode)	Ensures secure network connection
Watertight and Weatherproof	Avoid water invaded and weather corroded
Power-over-Ethernet (IEEE802.3af Compliant)	Flexible Access Point locations and cost savings
Support Multi-SSID function (4 SSID)	Allow clients to access different networks through a single access point and assign different policies and functions for each SSID by manager
Layer 2 isolation (AP mode)	Improved the security of each client
Antenna Diversity	Improved signal quality and sensitivity

*** Subject to change without prior notice

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Technical Specifications

Data Rates

1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps

Standards

IEEE802.11b/g, IEEE802.3, IEEE802.3u, IEEE802.3af, IEEE802.1f, IEEE802.1x

Compatibility

IEEE 802.11g/ IEEE 802.11b

Power Requirements

Active Ethernet　(Power over Ethernet) –48 VDC/0.375A

External Unit: Auto sensing 100/240 VAC; 50/60 Hz

Regulation Certifications

FCC Part 15 B & C,

CE: EN 300328, EN 301489

EN 60950

RF INFORMATION

Frequency Band

802.11b/g: U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations

Media Access Protocol

Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology

Orthogonal Frequency Division Multiplexing (OFDM)
DBPSK @ 1Mbps
DQPSK @2Mbps
CCK @ 5.5 & 11Mbps
BPSK @ 6 and 9 Mbps
QPSK @ 12 and 18 Mbps
16-QAM @ 24 and 36 Mbps
64-QAM @ 48 and 54 Mbps

Operating Channels

11 for North America
14 for Japan
13 for Europe

Receive Sensitivity (Typical)

802.11g:
-90 dBm @ 6Mbps,
-74 dBm @ 54Mbp
802.11b:
-95 dBm @ 1Mbps
-90 dBm @ 11Mbps

Available transmit power

(Typical)

- 2.4~2.462G(IEEE802.11g)

  27dBm @6 ~ 24Mbps

  25dBm@36Mbps

  24 dBm@48Mbps

  23dBm@54Mbps

- 2.4~2.462G(IEEE802.11b)

  28dBm. @1, 2, 5.5 and 11Mbps

RF Connector

SMA (Female Reverse) Type

NETWORKING

Topology

Ad-Hoc, Infrastructure

Operation Mode

Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS

Interface

Wireless IEEE802.11b/g

One 10/100 RJ-45 port

One console RS-232 port

Security

- IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS) Support in AP Mode
- WPA/WPA2 Supplicant　support in Client Bridge Mode
- WPA /WPA2/ Pre Share KEY (PSK) with TKIP/AES
- MAC address filtering (AP only)
- Hide SSID in beacons
- VLAN Pass-through
- L2 Isolation(AP mode)

Configuration

Web-based configuration (HTTP)
Telnet Configuration

IP Auto-configuration

DHCP client/server

Management

SNMP V1, V2c, MIBl&ll

Firmware Upgrade

Upgrade firmware via web-browser

PHYSICAL

Dimensions (HxWxD)

163.8(L)mm * 135.2(W)mm * 47.0(H)mm

Weight

1.2 Kg (2.6 lbs)

ENVIRONMENT

Temperature Range

Operating: -0°C to 60°
Storage: -20°Cto 80°

Humidity (non-condensing)

5%~95% Typical

Package Contents

- Outdoor Wireless Client Bridge unit
- 48V, 0.375A AC/DC adapter with wall-plug power code
- One 5dBi SMA dipole antenna.
- Inline Power Injector (PoE)
- 1.8m Grounding Cable
- User manual CD-disc
- Wall mounting kit
- Mast mounting kit

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